

Title (en)  
BACKWASHABLE FILTER MOUNTING

Publication  
**EP 0401633 A3 19930120 (DE)**

Application  
**EP 90110042 A 19900528**

Priority  
DE 3918667 A 19890608

Abstract (en)  
[origin: EP0401633A2] A backwashable filter fitting for installation in a flow pipe contains a filter housing (10) having a housing interior wall (68) and, coaxially to this, an outlet branch (70) projecting centrally into the interior of the filter housing (10). The filter housing is further provided with a guide part (76) disposed coaxially with the outlet branch (70) but at a distance from this. The space between the outlet branch and guiding part is crossed by a filter (116) forming an annular space. An inlet is connected to the annular space. A suction device (118) having a restricted suction opening (136) lies flat against the outer side of the filter (116). The suction device (118) forms an annular space (130) fixed to the housing, said space being connected to the suction opening (132) lying against the filter (116) and being connectable to the outlet (152) via an outlet valve (150). The filter (116) sits in a filter holder (110), which is movably connected to a first guide piece (112) on the outlet branch (70) and to a second guide piece (114) on the guide part (76) and in the suction device (118). A pressure control chamber (132) below the second guide piece is connected to the annular space (130). The filter holder (110) is tensioned by a spring (144). <IMAGE>

IPC 1-7  
**B01D 29/66**

IPC 8 full level  
**B01D 29/11** (2006.01); **B01D 29/66** (2006.01); **B01D 35/04** (2006.01)

CPC (source: EP US)  
**B01D 29/114** (2013.01 - EP US); **B01D 29/606** (2013.01 - EP US); **B01D 29/6484** (2013.01 - EP US); **B01D 29/684** (2013.01 - EP US); **B01D 29/70** (2013.01 - EP US); **B01D 29/92** (2013.01 - EP US); **B01D 35/043** (2013.01 - EP US)

Citation (search report)  
• [AD] DE 3714660 A1 19881110 - SASSERATH & CO KG H [DE]  
• [AD] DE 3435128 A1 19860403 - SASSERATH & CO KG H [DE]  
• [A] GB 2154892 A 19850918 - MOLINS MACHINE CO INC

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DE202009013661U1; EP3095500A1; DE10259664B4; EP1431466A3

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